

VI

Remoranda

Notebook V

No. 1876

Wm. J. Kennedy Stationery Co.

112 N. Fourth St.

St. Louis, Mo.

A. S. Ladd

4354 McPherson

St. Louis, Mo

1922

Mon. Mar 13, 22 —

begin

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NE Iowa

June 5-18, 1925

With Typora on P.B.

There

see p. 2 B

8, 21

Geology Notes

Coll. C.T. 23

3/13/22

Trip to ^{coal} mine at Thermal, Ill. Very well equipped mine owned by Dank Bros. Coal Co. Took Ill. Traction car at Eads Bridge & rode almost due east past Indian Mounds. (rise from flood plain of Miss. R. to "late maturity" country to east is rather abrupt.) Mine is very well equipped due to large amount of money spent on excise equipment during war (to avoid paying it to govt in excess profits tax). Buildings of cement concrete. Electric mules, lights, & whitewashed walls, & dry floors (due to oolitic shale) did away with all former ideas of coal mines.

Coal seam is 5 ft. or more in thickness. It is mined by mechanical undermining followed (?) by blasting.

Loose coal is loaded on cars, hauled by electric locomotives to foot of shaft where car & coal are hoisted ~~down~~ to top of shaft & turned (literally) upside down into breaker.

The coal (bituminous) is full of small faults. ~~Many~~^{Some} of the resulting polished slickensides are mineralized by deposition of pyrite. Pyrite and white organic matter are plentiful. Coal is overlain by alternating beds of shale and limestone.

Method of mining is ~~rather~~^{very} wasteful as about 50% of the coal is left as pillars to support the roof. A less wasteful but more costly way is to mine from the outside of the field toward a central shaft allowing roof to cave in after all

coal is removed. Perhaps someday they will be compelled to do this by law.

- Three slickensides collected - 2 mineralized.

W. E. Java - 1902
June 7 Left Java City at
Mon 7:45 AM. - to
- 50 miles of alluvial
- gravel -
- trough on way
with generator.

June 8 From valley (with) to
Upper Iowa. Found
Lign. with its shale?
- basal 30' of lign.
good. May be best
Lign. valley of W. to
4 miles (st. line). Dyma
in larger rock
for upper. Could
not find. G. May
contact. Walked over
15 miles. Studied,
wrote & to bed.
very cold weather.

disagreeable.
June 10 Section up trib. to Up. La.
in A.M. & studied reports
(+ killed skunk). To Cocco
for mail & supplies. To
Fallmore Co, Minn. for
May - Coal contact (no
luck). Camped near (ss.)
Wycoff. Wrote A.P.L. &
J.L.S. - notes, etc & candle
& to bed.

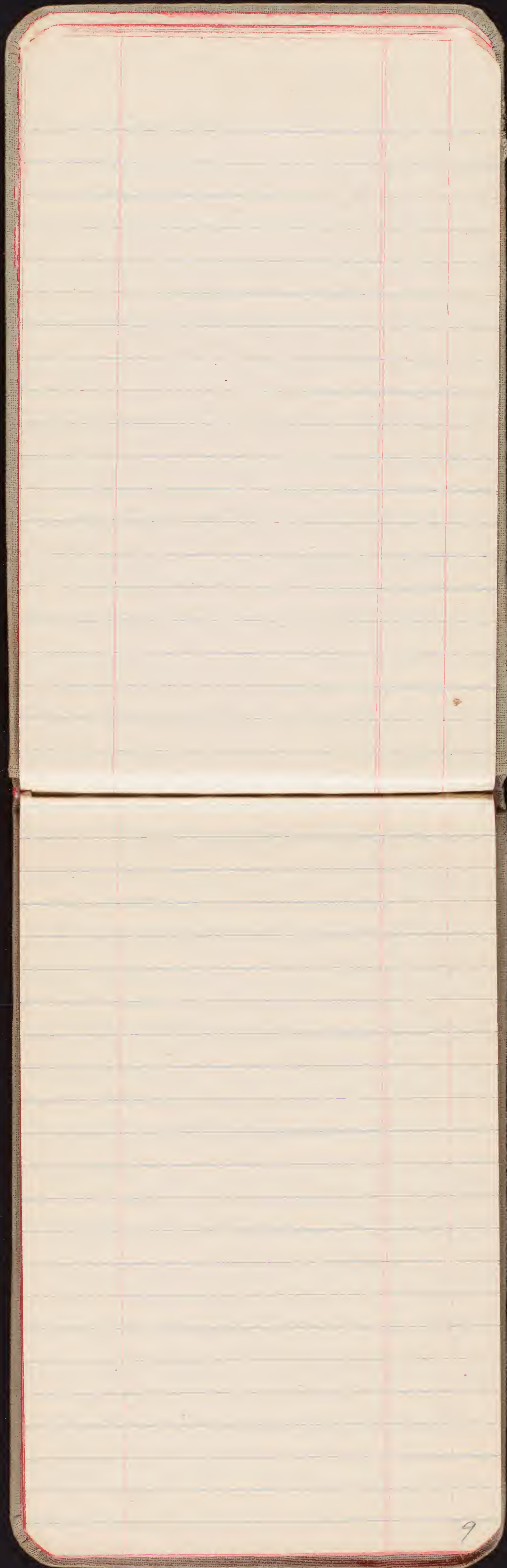
June 11 From the upper valley
to the lower valley. Studied
the lign. with its shale?
- basal 30' of lign.
good. May be best
Lign. valley of W. to
4 miles (st. line). Dyma
in larger rock
for upper. Could
not find. G. May
contact. Walked over
15 miles. Studied,
wrote & to bed.
very cold weather.

Platten - Hill, N. of Leach

Very thick, highly fossiliferous
(mostly gastropods), frequently brecciated,
stylolitic (may have caused
brecciation), weathered in
honeycomb structure, blackish white
limestone, some layers almost
lithographic, quartz crystals
present, also calcite, beds vary
in thickness (3 - 2 1/2'), shaly layers
(grayish green) half way down
hill - about 8" thick. In fact marks
the contact of the Platten with
the underlying Joachim (not
the exact contact however, the
shale being several feet above
contact). Platten lies conformably
on the Joachim, ripple marks
in Joachim.

St. Peter Sandstone } see
~~Jeff. City Sandstone~~ } report.

as only 1/2 M. to
the side of 500
the night - when
riding to school, had
clean & a better school
than the city by now
Jan 5. Off to school at 8
to Mike. to stay.



Ornithology Notes

newspapers

08

food

10

side
road

23

85

11 115

34

11 115

34

899

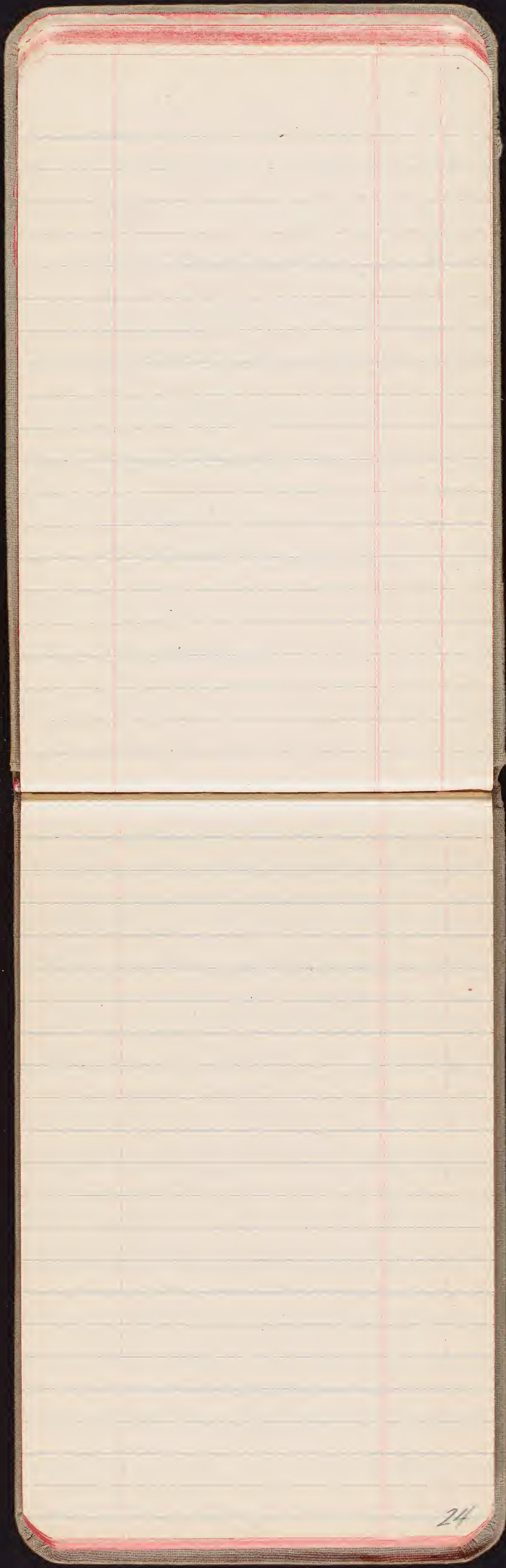
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757

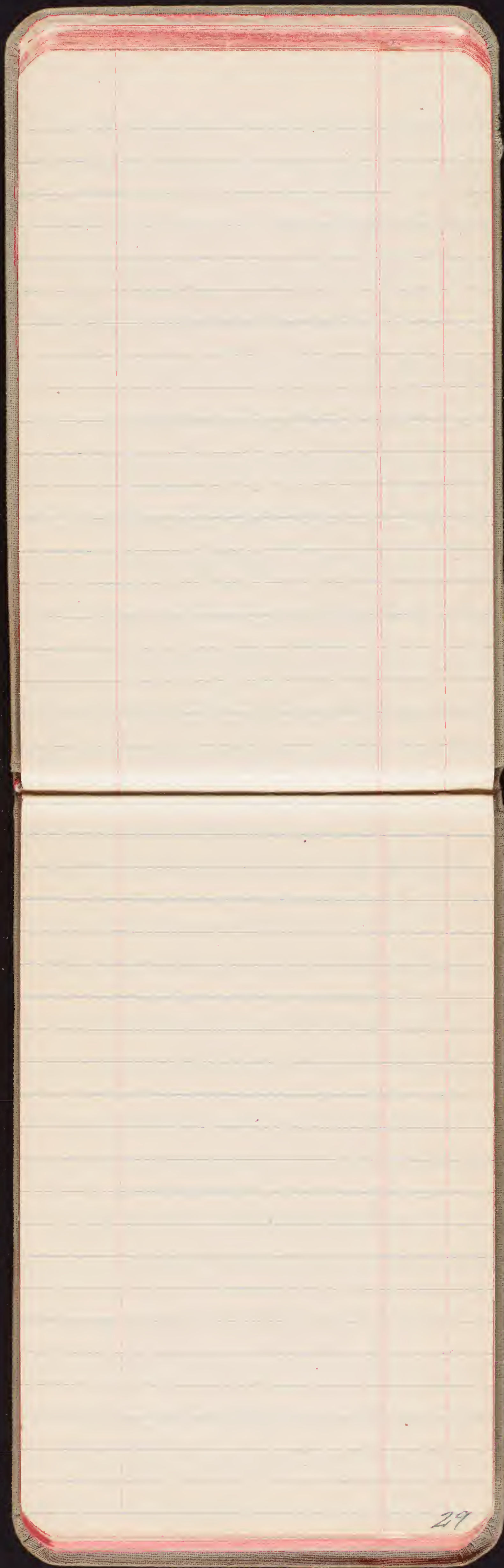
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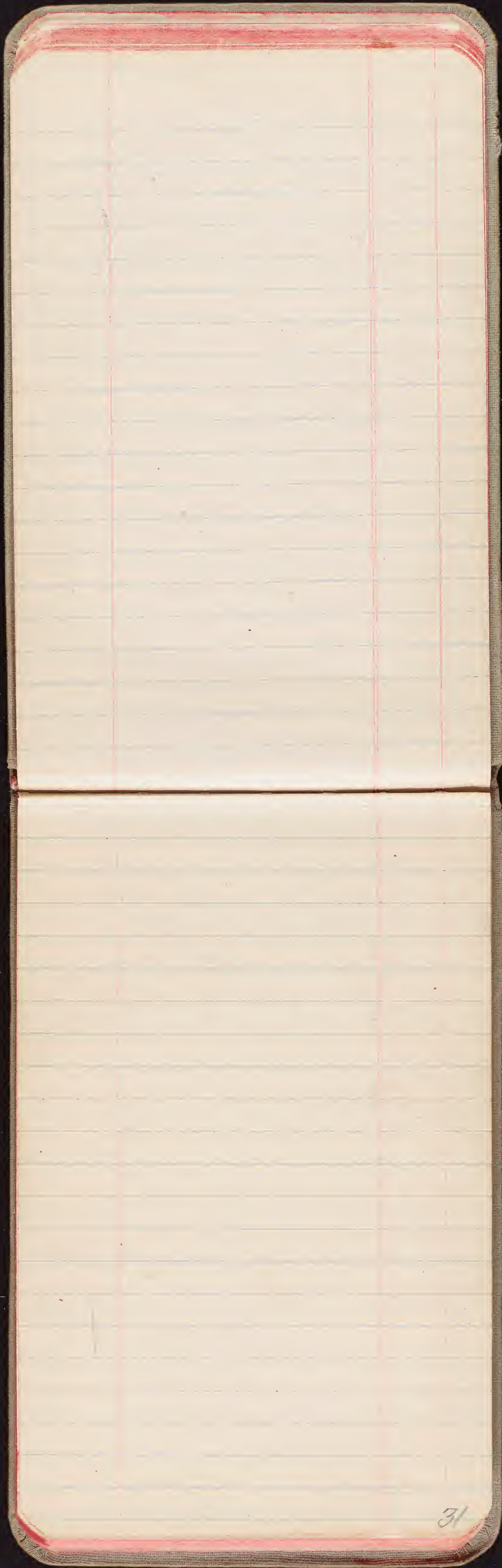


Entomology Notes



Roll Picture Locations Picture

Early PM	Top of Mt. ...	1	X
Evening	" "	2	X
"	Top of ...	3	X
"	Top of ...	4	OK
11:00 AM	Top of ...	5	OK
"	Top of ...	6	OK
2	Top of ...	142	OK
Early PM	Top of ...	143	OK
Evening	Top of ...	144	OK
3	Schlegels -	10	OK 30



(270)
(274)
Ladd
V
1922

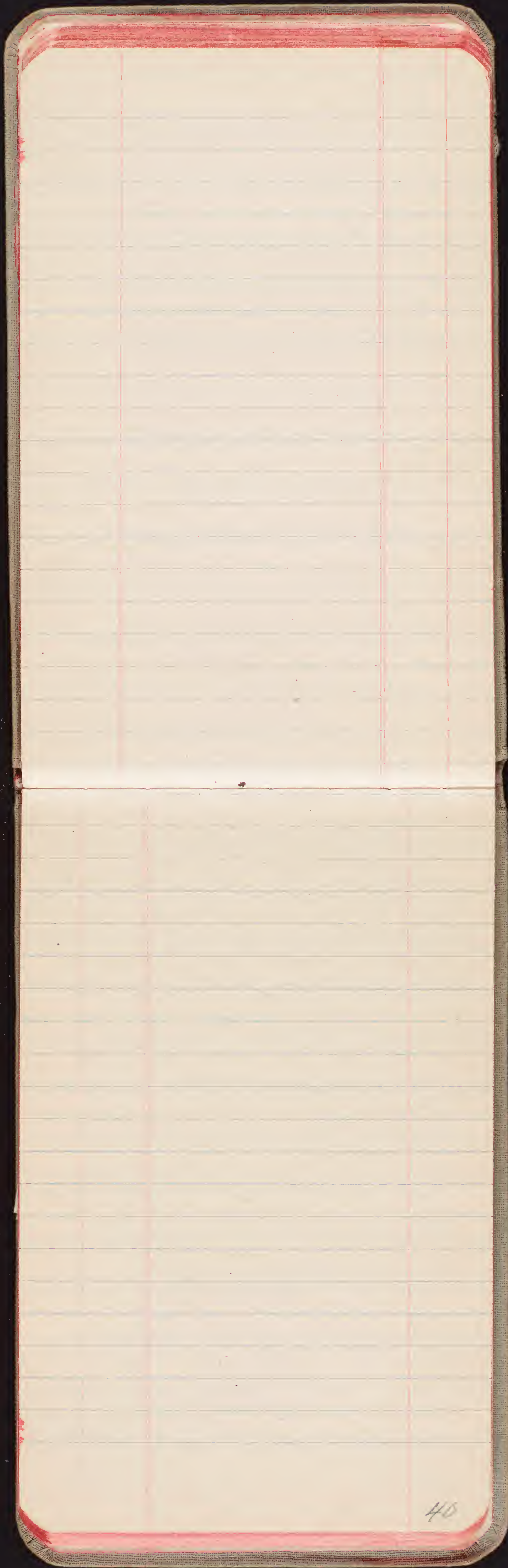
270

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Ladd

V

1922



(Fri) 22
 Feb. 24 - Regular work at University.
 No high life except
 initiation & banquet - some
 liquor & a dance afterward.
 Mon. Mch. 12 (incl.) One evening (Mch. 10) with Milt
 to see Way Down East & chew
 & eat at University Club.
 Failed to get prospective
 position as Shipton's assistant
 in S.E. Mo. or ^{Mr.} Buckler (State
 Geol.) is not sending him
 there. May get \$500 - 700
 fellowship to Iowa State.
 Aided to speak at
 departmental meeting
 on next program! Darn!
 Alice home. Car still
 in shop.

Mon. Mch. 13, 1922

Class in morning. To
 Dark River Coal Mine at Thermal
 Ill. - about 1 hour and 20 min. (41)

ride from Eads Bridge. Went
down 200 ft. (see page 1). Home
evening

Tues. Mch. 14, '22

U. till 5⁰⁰ P.M. - home in
evening. Can't see Mr. Cabott
for a while or he is going away.
Will call me.

Wed. Mch. 15 '22

- nothing of importance - regular
work.

Th. Mch. 16 '22

Polke home - regular work.
Tutored Sime in evening.

Fri. Mch. 17, '22

Worked at home in morning.

- U. in afternoon.

Sat. Mch. 18, '22

U. all day ^{started to} walked home on
usual pickup up at Kingsbury
Polke in evening - war again.

~~Sun. Mch. 19 - Tues Apr. 18 (incl.)~~

~~(not written up -
not much of importance -
same old program.)~~

~~Had misunderstanding
with I. E. C.~~

Wed. Apr. 19, 22

U. all day - walk with
Hazel in morning - to lecture by
Dr. Hansen on "Early Ancestry
of Man" at Public Library with Bill.
Took Hansen & his wife home.
Dr. & Mrs. Campbell (?) & Dr. &
Mrs. Hill here in evening - &
Jordan as usual. - No word from
Irene or Iowa yet!

Thurs. Apr. 20 - ~~Wed.~~ ^{Tue.} May 2, '22

(not written up at time -
received notice that I
had been elected to
membership in Sigma Xi
and that I had been
awarded \$700⁰⁰ Iowa

grad. Assistantship on
same day!! Surely
did make me feel
good!)

Wed. May 3, '22

Took Hanky, Dot, & Mary to Monk's Mound
- good trip - met Moorhead, Crook, & Hayden (?).

Thurs. May 4, 1922

Called Mr. Corbett. Said he was leaving for Kan. Will
write me about chance for job in oil field. Are
laying off men.

Classes. In cap & gown to Chapel. Sigma Xi announced.

Spoke before ^{imitation} Geol. Conference at 4⁰⁰ o'clock.

Sigma Xi Banquet in evening. Dr. Taylor said that with
a scruple of more As I would have made Phi Beta Kappa!
He went over my grades 2 extra times (3.1 too low!) Damn! Probably
would not have made Sigma Xi had I
made Phi Beta Kappa.

Fri. May 5, 1922.

Class. Rock & clay tests all day.

- finished extreme heat tests on building stones

Sat. May 6, 1922

Classes. Rock tests in afternoon.

EX meeting & show in evening.

Sun. May 7, 1922.

Worked all morning - riding with J.B. in
afternoon - walking with Glenn in evening

(Sat. Apr. 29 - Oaken party
- Ship. Koch, Mac, Harold H.,
J.B. & G. - 1, 4, & 5
checked out)

Mon. May 8, '22

Class - field trip to Meramec Highlands (see Geol. notes). To supper with Hazel & long ride afterwards.

Tues. May 9, 1922.

Regular class work - Rock (clay) tests in afternoon - finished moulding. Home in evening - studied some. Have new pupil (Miss Catman at \$1.00 an hour)

Wed. May 10, 1922

Worked from 6³⁰ to 6³⁰ & some in evening. Regular work including 1 hour tutoring. (at \$1.00 an hour) Fired my first buck today (to cone 05)

Thurs. May 11, '22.

Classes all day - Dr. Linn gave his talk before the Conference - good. Home in evening - working on old mineralogy notes. (9/11/22 d.e.c. OK for this time)

~~Wed. May 12, '22~~

~~Thurs. May 12, '22~~

Fri. May 12, '22

Cut class & walked in park with Hazel till 11³⁰. Tutored an hour and went on trip to Laclede Christi in afternoon (see p.). Studied till 2⁰⁰ a.m.

Sat. May 13, '22

Cut English (overlaid) - walk at noon - worked till 6³⁰ ^{tried to 30 But had break again} - out with Harold & Jean - rotten time.

Sun. May 14, '22

Nothing in particular - Doc Barker offered me a place in his touring party (east) this summer - refused.

Mon. May 15, '22

Classes - tutored at 8⁰⁰ - called home in afternoon - Mother sick 44

With Tad to conquer little
Napoleon in evening. Bed
late.

Tues. May 16, '22

Eng. class - cut out - down
town - dinner with Uncle Chauncy.
Work in afternoon - With Hazel
in evening ! ! ! ! !

Wed. May 17, '22.

All day field trip to Eureka,
Mo. with Hist. Geol. class &
Petrology class - good time - wrote
report in evening. - see report
and also pp. 5-6 (V)

Thurs. May 18, '22

Classes + work all day - game
at Jay's - Shipton, Mac, Kosch, &
Bonner. Work again.

Fri. May 19, '22

U. all day - H.S.-3 - felt badly
in evening. Laid down at
9⁰⁰ + woke up at 6⁰⁰ Sat. morn.

Sat. May 20, '22

Wak - saw H for hour (studied)
- SX meeting + poker - lost considerably.

Sun. May 21, '22

Studied all day - finished one
Petrology report!

Mon. May 22, '22.

Classes - nothing out of ordinary
- wrote I.C.

Tues. May 23, '22

Classes - H=3. - studied in
evening.

Wed. May 24, '22

Last class. - worked - report.
May go to Black Hills, D. D. on
field trip.

Thurs. May 25, '22

Worked all day and evening - till
2³⁰ AM. - finished report!

Fri. May 26, '22

Passed off Petrology exam. Decided

to go to Canada in June and
Black Hills in July (if it
can possibly be arranged that
way.)

Sat. May 27, '22

Worked in morning - studied
German with Hopf in afternoon -
rather evening - to bed at 10⁰⁰

Sum.

5

28

23

to
Sum.
6/18

(During last few days of
school & afterwards until
June 19 many things
took place so that this
entry is made at a later
date. Graduated O.K. ^{4/8/22} with
the help of Borup's whiskey.
Spent rest of time working
at school finishing rock
lists, department work, etc.
Cleaned up everything.

22

(ind)

Worked with Saw on
rock classification & sent
small copy to Hanly. Sent
long report to McCourt.
(from Canada - registered - 6/22/22)
Saw H.V.S. several times!
Left for Aylmer June 18th.
Application to take Prof. Gante
(Northwestern U.) field course in
the Lake Superior region
accepted.

6/19

6/20

6/21

6/22

6/23

6/24

6/25

6/26

6/27

6/28

6/29

6/30

Stayed in Canada
until about July 25. Spent
first week with Irene. Mr.
Gorgon came to Bruce (when
folks decided to spend
summer there) and she &
I spent week putting
place in shape for occupation.
Summer delightful.
Succeeded in getting L.H.
out. Lots of swimming, some
46

fishing and shooting and
much horse shoe &
quart pitching but no
spoke or red dog. Did
very little drinking (only
drunk me - at which time
Nevin and I killed a
quart of 1914 Saguaro 83)
(Nevin works in the
Round House in London
- had a nice quiet party
but we became very drunk
- Nevin got sick!)

Saw Ethel two or three
times but spent most of
my time with Irene.

Returned home to prepare
for Kente's trip.

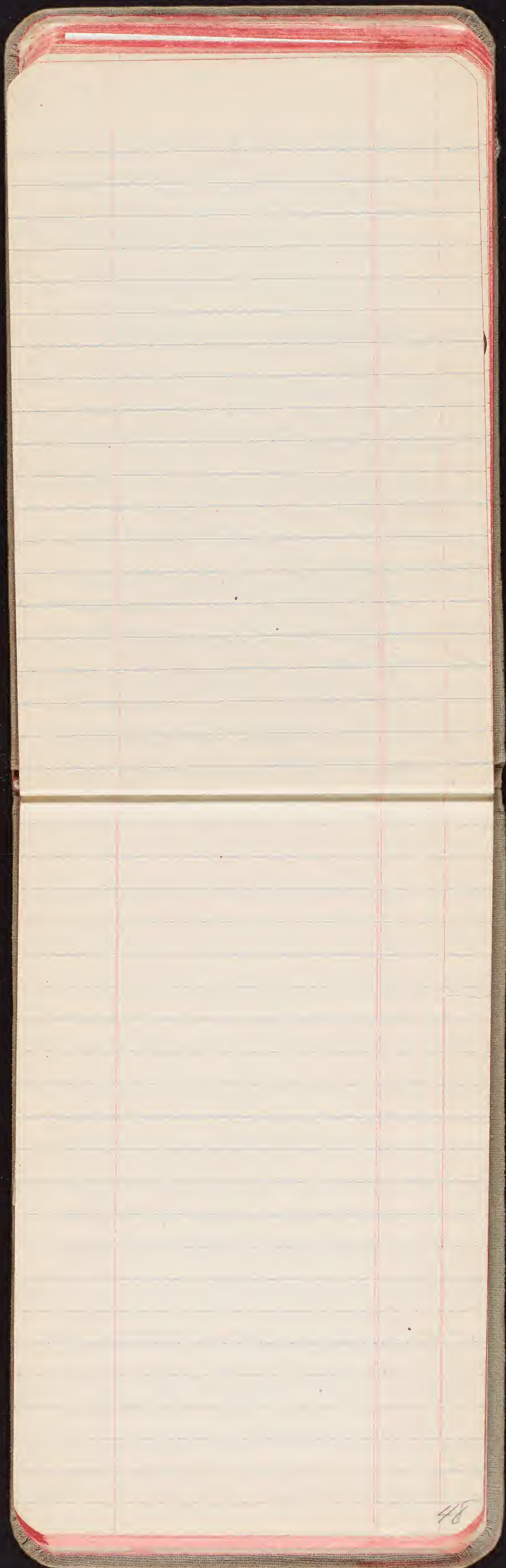
Spent about 10 days
in St. Louis (July 26 - Aug 6)

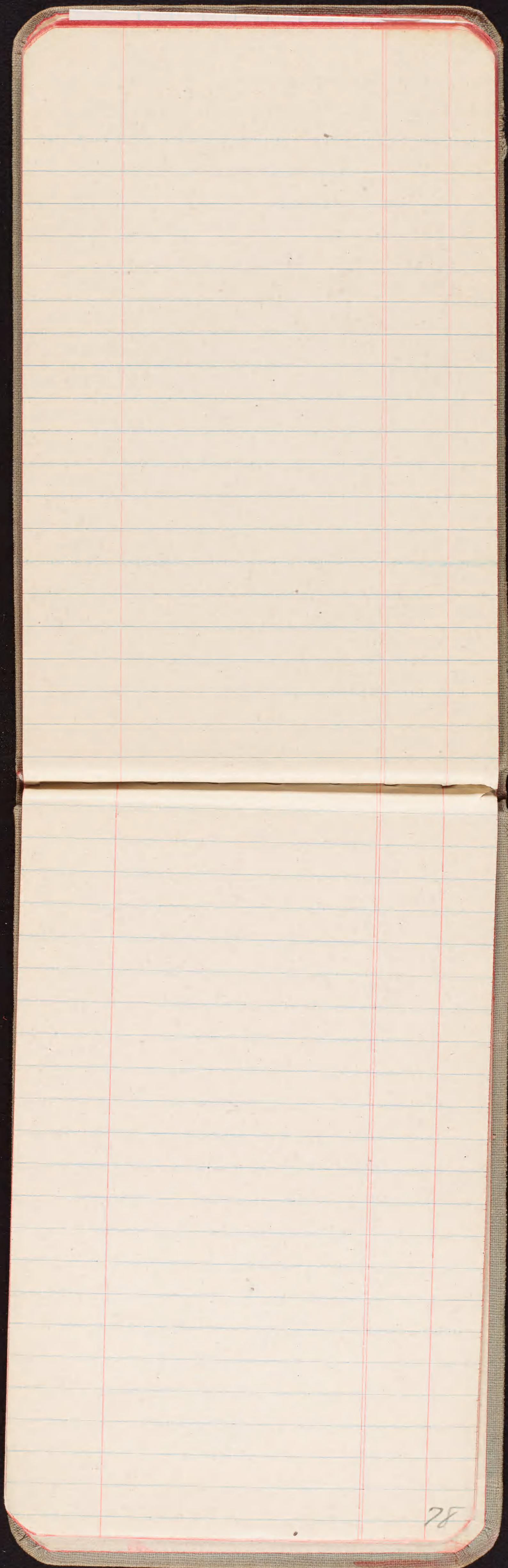
getting ready for trip,
working in my room,
seeing ball games (and
the moon) with L. C.

Took two day trip with
Gaw & May up river
to Chatanooga (geology -
see p.)

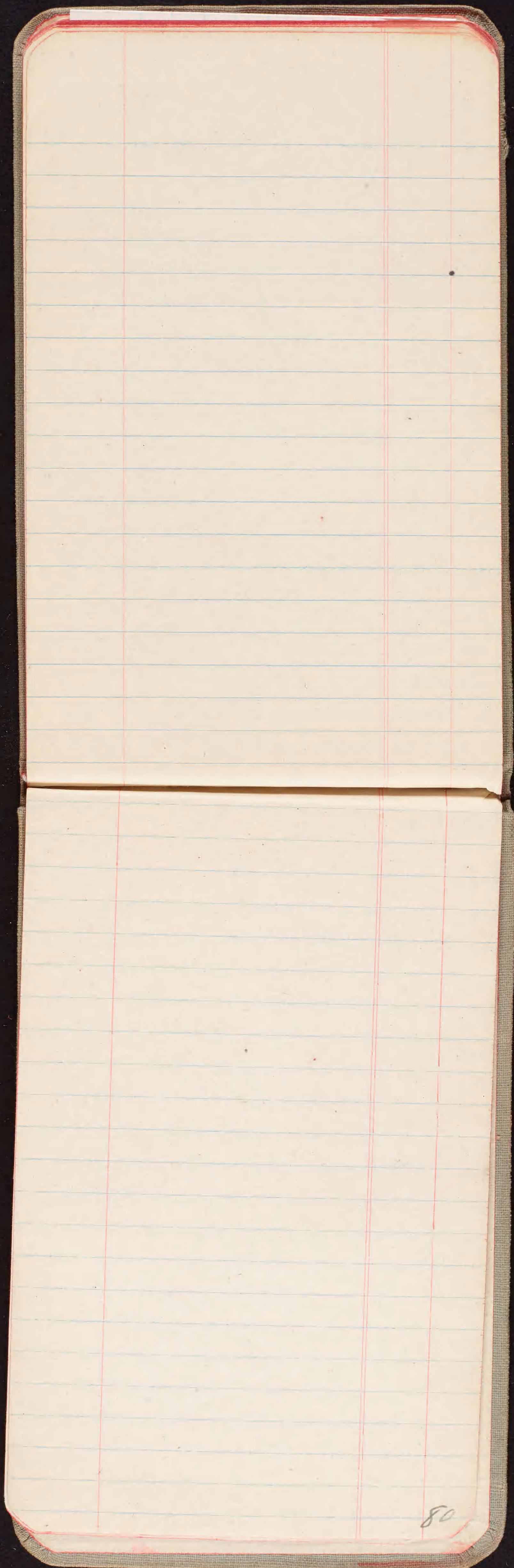
Had a nice southern
girl named Wegmann out
one night but as she
had a slight odor to her
breath I will not see her
again.

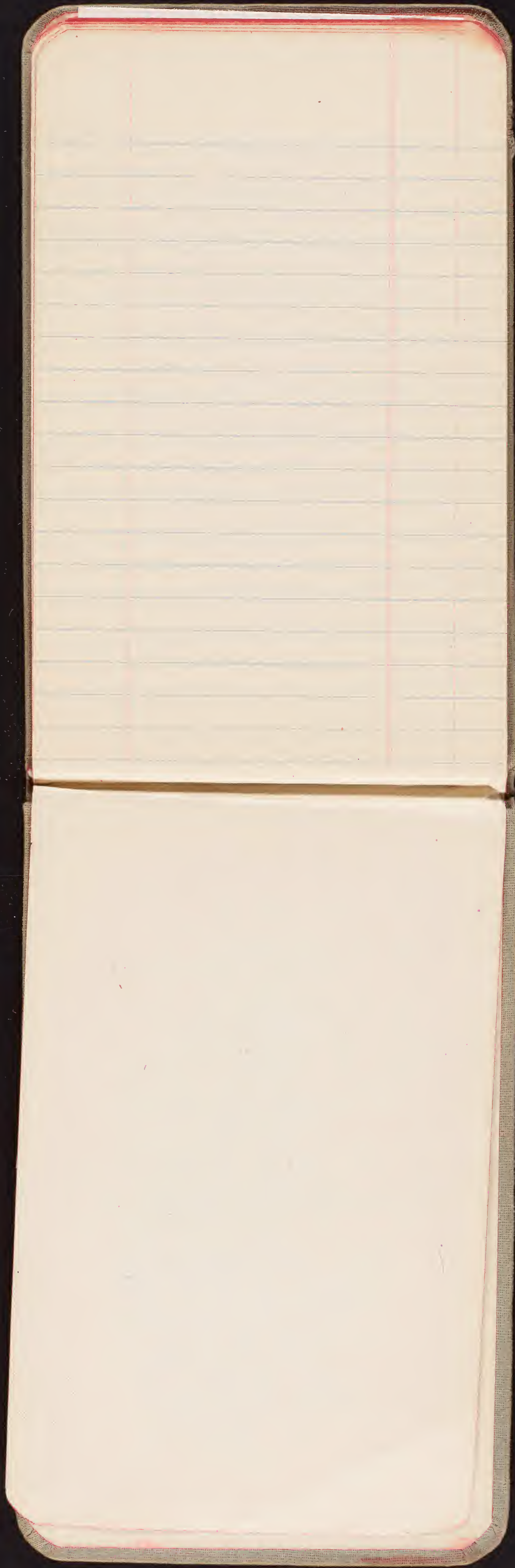
Left Aug 6 for Chi.



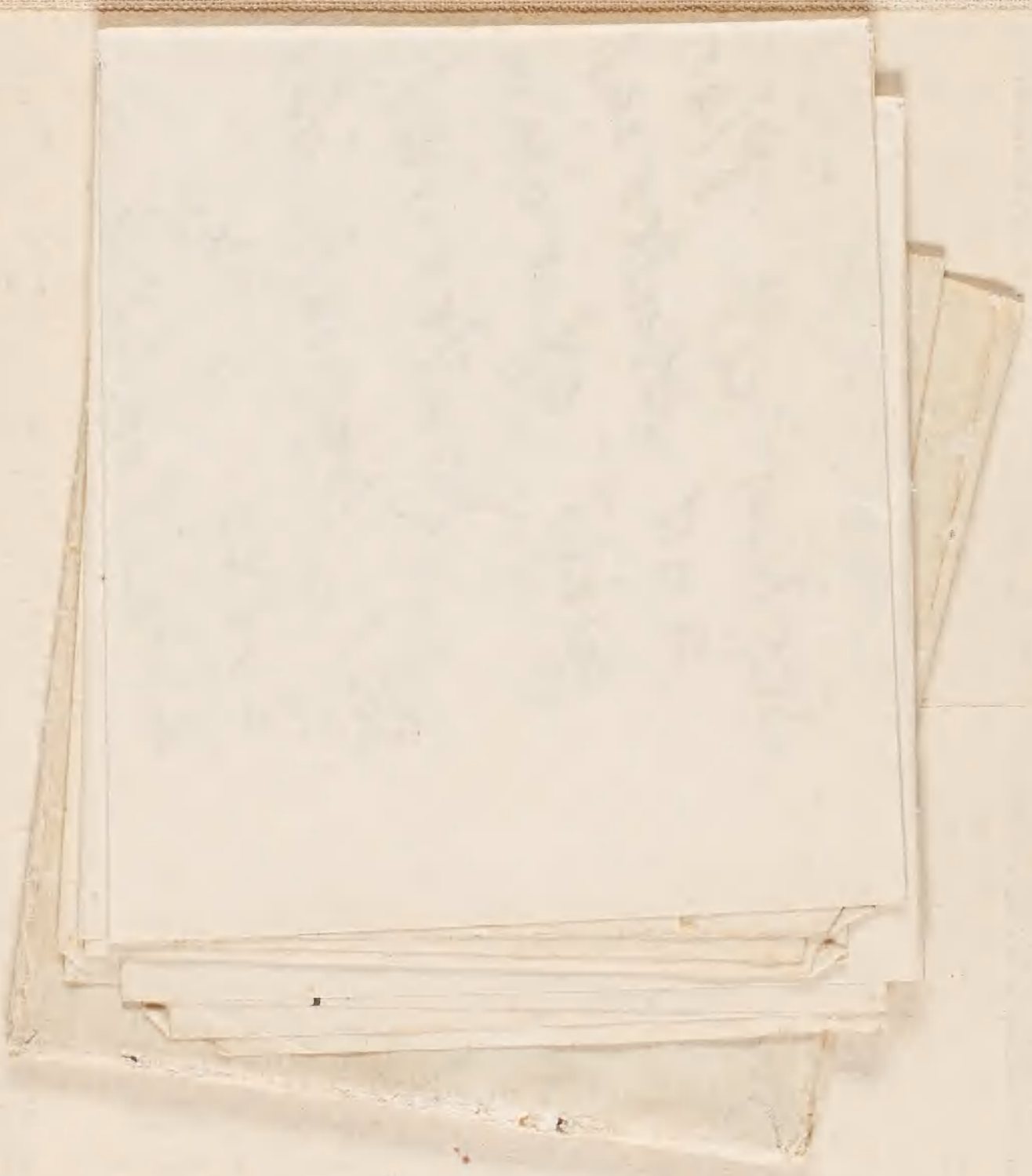


Lists





1876





BUCKINGHAM ANNEX
T. J. DARCEY
GENERAL MANAGER
ST. LOUIS, MO.

Recent { Alluvium
Terrace deposits

Pleistocene { Loess
Drift (Illinoian)
Drift (Kansas)

Unconformity

Lafayette gravel

Unconformity

Pennsylvanian

Mississippian

Chester Group?

Meramec Group

St. Louis Limestone } Fossils in
cherty
beds

Spargen "

Warsaw shale

Bibliography

Ill. state geol survey Monograph 1

Page 20-21 St. L. formation } 250 ft
22 St. Genieve } at Alton
48 feet

Ill. State Bull 17 for section of
bluffs north of Alton Page 70



BUCKINGHAM ANNEX
T. J. DARCEY
GENERAL MANAGER
ST. LOUIS, MO.

Location: Bluffs N.W. of Alton Height
125 to 175 feet above river. Approx
75 to 125 feet of section is Mississippian.
Overlying material consists of loess
with thin deposit of glacial
Till separation loess from limestone
East of Alton the Miss. formation
gives way to the Permian
Karst topography to east
Section at Plant No 2 of Miss. Lime
and Material Company. north
west of round house

material	Feet	
Soil, loessial, dark brown	1	
Loess	20	
Loess (reddish, fossil snails pipe stem concretions)	30	Fossils of mammals found in contact zone of loess and Till.
Glacial till, reddish, erratic pebbles of granite dolerite greenstone quartzite	2-3	
Limestone (Mississippian)	100	



BUCKINGHAM ANNEX
T. J. DARCEY
GENERAL MANAGER
ST. LOUIS, MO.

Section at Plant No. 3. At N.E
end of quarry. loess is 18 feet
thick and accessible for study

Material

Loess: 2 deposits

Upper - buff color - fossiliferous

Lower reddish more " than upper

Till - pebbly clay (Kansan?)

Lower portion is calcareous

Contains lime concretions abt

8" diameter. Weathered at Top

showing it is much older than
loess

Fossils at Contact of loess and till or
in concretions.

Solution channels well exhibited
and faces of rock along joints
are in some cases coated with
travertine.

1876

